

**ABSTRACT OF THE DISCLOSURE**

1                   Magnetic media for use in a magnetic tape drive (30) an identification window  
2                   segment (identification window segment 3108) having an electromagnetic  
3                   transmissiveness which varies along at least a portion of its in a manner chosen to  
4                   provide a predetermined media or cartridge signature when the media is transported at a  
5                   selected linear velocity. Preferably, the identification window segment is situated  
6                   between essentially opaque sections of the media, such as magnetic  
7                   recording/reproducing segment (3106) and a cleaning segment (3104). Upon insertion  
8                   into a magnetic tape drive, the magnetic tape is transported past a detector assembly  
9                   (100) which directs a beam of electromagnetic radiation through the tape. Transport of  
10                  the identification window segment past the detector assembly thus results in generation  
11                  of a signal having a waveform with an amplitude which varies in accordance with the  
12                  varying electromagnetic transmissiveness of the window. The signal is received at a  
13                  processor, which uses the signal to determine the type of the tape/cartridge and  
14                  optionally to operate the tape drive in accordance with the thusly discerned type.  
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1005000  
4005000  
5005000  
6005000  
7005000  
8005000  
9005000